

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

Effective December 1, 2011

RV-55

*The following product has been evaluated for compliance with the wind loads specified in **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **November 2015**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Vent Sets with Curb Cap and Inlet Box, Models CPV, CPS, and CPA, manufactured by

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will be acceptable for use in designated catastrophe zones along the Texas Gulf Coast when installed in accordance to manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Model CPV, CPS, and CPA are vent sets with a curb cap and an inlet box. The Model CPV is a steel vent set with an aluminum flatblade wheel. The Model CPS is a steel vent set with a steel flatblade wheel. The Model CPA is an aluminum vent set with an aluminum flatblade wheel. Refer to Figure 1 for an illustration of the vent sets with a curb cap and an inlet box. The vent set is available in sizes 60-245. The vent set has maximum dimensions of 75 ½" wide x 53 ¾" high x 51 ½" deep.

Ventilator Construction: The tested ventilator consists of a 16 gauge galvanized steel curb. The curb cap is attached to the curb with No. 14 x 2" self-tapping screws with washers. The 14 gauge split housing plenum box is welded together and welded to the curb cap. The 14 gauge access door is attached to the housing with six (6) draw latch-hook type latches. Each latch is attached to the door with two (2) ¼" x ½" washer head bolts and nuts. The 14 gauge steel wheel housing is attached to the 14 gauge back cover with eight (8) No. 14 x ¾" x 1" bolts welded to the wheel housing and attached with washer head nuts. The curb cap support channel is welded to the curb cap. The 7 gauge pedestal assembly is attached to the curb cap with four (4) No. 14 x ¾" x 1" bolts and washer head nuts. The 18 gauge weather cover front and the 16 gauge weather cover cap are attached to the pedestal assembly with sixteen (16) No. 14 x 1" self tapping screws. The 14 gauge front panel is welded in place with two (2) clips.

LIMITATIONS

Design Wind Pressure: ± 60 psf

Roof Framing: The roof framing required to secure the vent shall be minimum nominal 2 inch wide Southern Yellow Pine dimension lumber.

Roof Slope: The vent shall be installed on a flat roof. Positive drainage of the roof is required.

Impact Resistance: These vent assemblies satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and the **Seaward zone**. The vent assemblies passed Missile Level D specified in ASTM E 1996-04. The vent assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

INSTALLATION INSTRUCTIONS

General Installation Requirements:

All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC) and the International Building Code (IBC). All IRC/IBC requirements must be satisfied and manufacturer's installation instructions followed, unless otherwise specified by this product evaluation.

Installation:

The metal curbing of the vent set is secured to the nominal 2" wide Southern Yellow Pine roof framing with minimum $\frac{1}{4}$ " Tapcons. The fasteners shall be located $4\frac{1}{2}$ inches from each end and 20 inches on center. The fastener shall be long enough to penetrate a minimum of $1\frac{1}{2}$ inches into the wood wall framing.

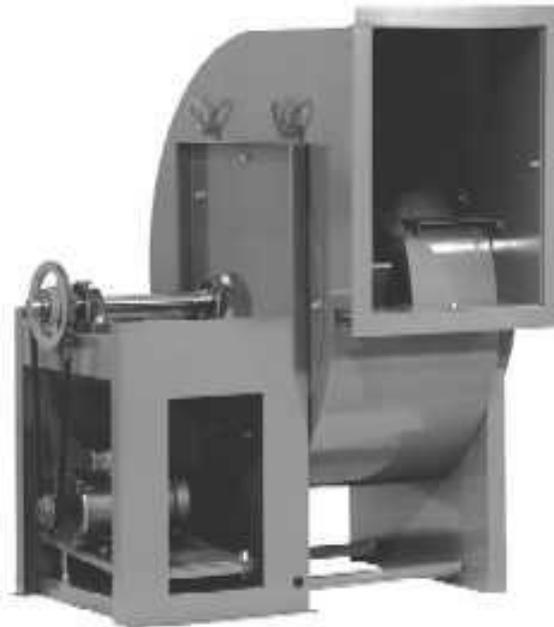


Figure 1. Vent Sets with Curb Cap and Inlet Box, Models CPV, CPS, and CPA

Note: The manufacturer's installation instructions shall be on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC); the International Building Code (IBC); and the Texas Revisions.